

ABSTRACT

A light source unit **1000** is composed of a high-pressure discharge lamp **1100** and a reflecting mirror **1200**. The reflecting mirror **1200** includes a neck portion **122** to which the high-pressure discharge lamp **1100** is attached and a reflecting portion **120**, which are formed as one unit. Furthermore, air holes **126** are formed in the neck portion **122**. This structure enables the high-pressure discharge lamp **1100** and the reflecting mirror **1200** to be effectively cooled and ensures the start characteristics of the high-pressure discharge lamp **1100**.

10